

DODDER (*CUSCUTA CAMPESTRIS*) CONTROL ON SEVERAL ORNAMENTAL PLANTS. Shawn M Hock*, Research Associate III, and Greg Wiecko, Professor, Univ. of Guam, Mangilao, GU, 96923.

Field and greenhouse experiments were conducted in 2005 in Guam to develop dose-response curves for glyphosate for crop tolerance in ornamental plants and for dodder control. The effective dose (e.g., ED₁₀ = 10% visual quality reduction) were 1050, 960, 910, 820, 590, 390, 130, and 130 g/ha for hibiscus, paper gardenia, croton, ixora, schefflera, duranta, king's mantle, and allamanda, respectively. Preliminary data collected on dodder control after attachment indicates that a dose of only 280 g/ha of glyphosate is required to effectively manage dodder attached to ornamental plants. shock79@gmail.com